

20001029.qrp v01_n990.qrl.20001029

Date: Sun, 29 Oct 2000 19:03:08 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1990

QRP-L Digest 1990

Topics covered in this issue include:

- 1) [82490] Re: 2m Schematic Needed
by Mighty Mik <mightymik2@home.com>
- 2) [82491] Re: RE - IS IT TOO MUCH TO ASK?
by Fred Lesnick <flesnick@tbaytel.net>
- 3) [82492] Zombie Shuffle - N9AW
by "Jerry Scherkenbach" <jerrys@execpc.com>
- 4) [82493] FOX New Frequencies
by "Karl F. Larsen" <k5di@zianet.com>
- 5) [82494] DX - morocco
by hamjoel@juno.com
- 6) [82495] Re: 2m Schematic Needed
by "Trevor Jacobs" <fxtech@earthlink.net>
- 7) [82496] Re: pcb layout
by "Steven Weber" <kd1jv@moose.ncia.net>
- 8) [82497] RE: Is it asking too much for the foxhunters to make their own list?
by "Ed Tanton" <n4xy@att.net>
- 9) [82498] Re: Something Good in HR
by George F Franklin <w0av@juno.com>
- 10) [82499] Re: Something Good in HR
by Slqghp@aol.com
- 11) [82500] Them TX Hounds
by tmyers@academicplanet.com
- 12) [82501] Re: Them TX Hounds
by "George, W5YR" <w5yr@att.net>
- 13) [82502] Hamtronics 2M -> 10M RX Converter
by "Mike Yetsko" <myetsko@insydesw.com>
- 14) [82503] Altoids Tiny Tin
by Fran Flynn <fflynn@together.net>
- 15) [82504] Re: Altoids Tiny Tin
by Chris Trask <ctrask@primenet.com>
- 16) [82505] Re: Altoids Tiny Tin
by Fran Flynn <fflynn@together.net>
- 17) [82506] Re: Altoids Tiny Tin
by Chris Trask <ctrask@primenet.com>
- 18) [82507] Re: Excessive postings
by "Gordon Cougar" <gcouger@couger.com>
- 19) [82508] Re: Altoids Tiny Tin

- by Andrew Madsen <andrew@utahdesign.com>
- 20) [82509] Re: Them TX Hounds
by "Carlos J. Caro" <cjcaro@nail.com>
- 21) [82510] Portable PSK - photos & diagrams on website
by "George Heron N2APB" <n2apb@erols.com>
- 22) [82511] Warbler First QSO
by Bill Jones <kd7s@psnw.com>
- 23) [82512] Re: Altoids Tiny Tin
by Fran Flynn <fflynn@together.net>
- 24) [82513] Sierra receive AGC time constant
by Fran Flynn <fflynn@together.net>
- 25) [82514] Re: 2m Schematic Needed
by "Mark Fancher" <mmfanche@gateway.net>
- 26) [82515] K1 s/n 46 is now up and running
by "Glenn Maclean" <glennmaclean@ix.netcom.com>
- 27) [82516] Re: Altoids Tiny Tin
by w6ors@juno.com
- 28) [82517] Zombie- the blues shuffle
by Dan Presley <talljazz@teleport.com>
- 29) [82518] Re: Altoids Tiny Tin
by tedkell@juno.com
- 30) [82519] Re: Hamtronics 2M -> 10M RX Converter
by "Tim R. Havens" <n1rz@timhavens.com>
- 31) [82520] FS- Daiwa Active Filter
by "Chuck Carpenter" <w5usj@globeco.net>
- 32) [82521] Re: Simple RIT for DC xcvr
by John R Kirby <n3aaz-qrp@juno.com>
- 33) [82522] Re: [KLQRP] KLN 10/22/00
by KG4CRU@aol.com
- 34) [82523] Re: Altoids Tiny Tin
by Michael Bower <bowerm@ix.netcom.com>
- 35) [82524] Re: Altoids Tiny Tin
by Chris Trask <ctrask@primenet.com>
- 36) [82525] Re: Altoids Tiny Tin
by Michael Bower <bowerm@ix.netcom.com>
- 37) [82526] PCB software review (Long)
by Bill Lazure <n2tpa@juno.com>
- 38) [82527] RE: Anyone else hearing the SSB on 7.041 MHz???
by "AI2Q Alex" <ai2q@ispchannel.com>
- 39) [82528] Zombie "stand in place"
by Michael Bower <bowerm@ix.netcom.com>
- 40) [82529] K1 #70 on the Air
by Bob Patten <n4bp@bc.seflin.org>
- 41) [82530] Okay, okay, I get it already!!!
by Gwendolyn Patton <wendy_lyn@unforgettable.com>
- 42) [82531] Re: BLT tuner question
by Craig LaBarge <wb3gck@yahoo.com>
- 43) [82532] Grounding question

by "Ken La Rose" <kenlar@csolve.net>
44) [82533] Re: Need low power US/Canada map
by wd9eyb@butler.qrp.com
45) [82534] Re: Okay, okay, I get it already!!!
by Chris Trask <ctrask@primenet.com>
46) [82535] Re: Zombie Shuffle
by Dean W Manley <kh6b@juno.com>
47) [82536] Re: Grounding question
by "Tim R. Havens" <n1rz@timhavens.com>
48) [82537] Re: Grounding question
by Bob Nielsen <nielsen@oz.net>
49) [82538] RE: Grounding question
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
50) [82539] Re: Grounding question
by "Tim R. Havens" <n1rz@timhavens.com>
51) [82540] Help Logging program!!
by BOB0B0B1@aol.com
52) [82541] YAZR - Yet Another Zombie Report
by Lew Paceley <lew@paceley.com>
53) [82542] CHAGOS on 28.027.5 at 1718Z 10/29/00
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
54) [82543] HW-8 Zombie
by "Gary Lee Phillips" <ka9nzi@arrl.net>
55) [82544] Re: [GQRP] CHAGOS on 28.027.5 at 1718Z 10/29/00
by "Ron Polityka" <wb3aal@fast.net>
56) [82545] Chagos -- VQ9QM still on 10m
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
57) [82546] List of abbreviations of US states.
by "Hans Kaper" <hanskap@kaper-1.tmfweb.nl>
58) [82547] Re: Chagos -- VQ9QM still on 10m
by "Tim R. Havens" <n1rz@timhavens.com>
59) [82548] DX on 10 Meters
by "Ron Polityka" <wb3aal@fast.net>
60) [82549] DX opportunities this weekend
by John AE5X <ae5x@juno.com>
61) [82550] Construction: Adams Vs. Kortge, A Matchup of Heavyweights
by "Doug Hendricks" <ki6ds@dph.dpol.net>
62) [82551] eQSLs for QRP ARCI Test
by Ken Newman <N2CQ@citnet.com>
63) [82552] Re: Construction: Adams Vs. Kortge, A Matchup of Heavyweights
by Phil Wheeler <w7ox@earthlink.net>
64) [82553] FS: K2 W/ all options...
by Patrick Armstrong <aa7fg@gte.net>
65) [82554] The Tokyo Hy-Power reflector has moved
by "Caitlyn M. Martin" <ku4qd@qsl.net>
66) [82555] K1 #44 is QRV
by DYARNES@aol.com
67) [82556] Another way of reading QRP-L: html archives

- by "Mike Czuhajewski" <wa8mcq@erols.com>
- 68) [82557] FS: TS-130V with brand new matching vfo!
by jcs4us@earthlink.net
- 69) [82558] Re: Kingman
by N0tk@aol.com
- 70) [82559] Re: eQSLs for QRP ARCI Test
by Radioham <radioham@home.com>
- 71) [82560] Re: Kingman
by "Dan W. Dooley" <dandooley@pipeline.com>
- 72) [82561] OT Question about contesting
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
- 73) [82562] List Protocol
by George Murphy <VE3ERP@ENCODE.COM>
- 74) [82563] N0RC/7 Sherman, WY for 06-Nov-2000 ARS Spartan Sprint
by "Rod Cerkoney" <n0rc@hotmail.com>
- 75) [82564] Re: pcb layout
by "A Turner" <aturner13@triad.rr.com>
- 76) [82565] Re: List Protocol
by Phil Wheeler <w7ox@earthlink.net>
- 77) [82566] List Protocol
by George Murphy <VE3ERP@ENCODE.COM>
- 78) [82567] Re: Another way of reading QRP-L: html archives
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 79) [82568] Re: Another way of reading QRP-L: html archives
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 80) [82569] QRP - Parts Source in Houston?
by K5KW@aol.com
- 81) [82570] NoVaQRP Meeting Nov 11
by "William K. Harding" <k4ahk@ix.netcom.com>

Date: Sat, 28 Oct 2000 16:01:19 -0700
From: Mighty Mik <mightymik2@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [82490] Re: 2m Schematic Needed
Message-ID: <5.0.0.25.0.20001028155949.021fd2c0@mail>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 04:17 PM 10/28/00 -0500, you wrote:

>Tom, how about building a small two meter converter and using it with an
>existing receiver or receiver design. I think ARRL handbook still has
>simple design and I think Vertitronics or someone has converter kits
>available. (I know if you wanted a first class coverter you could get a
>kit from DownEast Microwave that would do the job very well for about
>\$100, maybe slightly more.

the 'Junkbox Convertor' works, and works better with a pre-amp stage. Just a suggestion.

Date: Sat, 28 Oct 2000 19:01:33 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: hamjoel@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [82491] Re: RE - IS IT TOO MUCH TO ASK?
Message-ID: <39FB5ACD.EDDEFD72@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

AMEN JOEL!!!!!!

hamjoel@juno.com wrote:

> IN A WORD "YES"
> iT iS the same to ask evryone to stop writing about problems with
> projects... or to stop writing technical stuffs altogether...
> Granted the list is a rainbow of only so many colours... however...
> I think the is one of the coulors of the list rainbow that is allowed...
> The list manager could tell u for sure nuff... we all play by his
> rules... he bee the list police... i just try to stay outta jail...
>
> KE1LA joel
> in maine
> -----
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!
> Juno now offers FREE Internet Access!
> Try it today - there's no risk! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.

Date: Sat, 28 Oct 2000 18:41:20 -0500
From: "Jerry Scherkenbach" <jerrys@execpc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [82492] Zombie Shufle - N9AW
Message-ID: <00a801c04138\$9384c5a0\$a383cfa9@Pjerrys>

Thanks to everyone I worked last night in the Zombie Shuffle. It sure was a lot of fun as usual. 20 and 80 mts here were both very good. 40 mtrs, of course, as others have mentioned was really awful due to the QRM from the

CQWW SSB contest.

I worked 2 Grand Zombies, 2 Juniors, 2 YLs and 5 Elvis'. Thanks to all.

Final score with all of the great bonuses.....46,445.

I hope everyone had fun.

72

Jerry N9AW

Date: Sat, 28 Oct 2000 17:58:18 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [82493] FOX New Frequencies
Message-ID: <Pine.LNX.4.10.10010281749550.837-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Since the last QRP-L 40M Cub Fox Hunt Where much of the country could not hear the Fox due to the Voice of America, a study of frequencies within the Novice sub-band has determined that between 7140 and 7150 KHz there is a sort of clear area across the country.

So Mondays Fox will be found up there calling cq fox and I hope being heard across the whole USA.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sat, 28 Oct 2000 19:55:43 -0400
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [82494] DX - morocco
Message-ID: <20001028.195544.-200217.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

high y'all

lows and beholds... I done made my first two split qso's ..

CN8NN on 7.040 and me on 7293ssb...

Iffin I can get australia and japan I will have worked all continents..
an't that a hoot...

and I worked the cn8 long path or off the back of the wire beam...

No I won't yell... Cajun Meaux Joe to Morocco... but I am inclined... hee
hee...

AMAZING what u can work in a con-test... :-) someone named Tom is on cw
under the cn8nn... the foreign dx doesn't seem to bother him a bit. An't
that fantastic...

My cajun belle done served me some shrimp creole and I think that done
inspired me... might even try for sum meaux dx later on....

Oh I done seen some sneaux flakes today... what's a cajun lad to do... i
still gotta haul in fire wood... temp's in the mid 20's rite now...

KE1LA JOEL

IN MAINE

MOSTLY FREEZIN

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Sat, 28 Oct 2000 17:27:34 -0700

From: "Trevor Jacobs" <fxtech@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [82495] Re: 2m Schematic Needed

Message-ID: <032b01c0413f\$0902d6e0\$74a0b2d1@tjacobs>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Just got back from a get together at HRO in Burbank. One of the local Hams
and I along with 2 of the guys at HRO were talking about using 2 meters for
a very local CW practice net. One of the guys, Glen N6AVC is going to be
experimenting with a log periodic antenna for 2m. I'll let you guys know how
it goes. It seems to me though that 2m is great for this kind of activity.
Take care all...

73

Trev

KG6CYN

Date: Sat, 28 Oct 2000 19:56:41 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: nvcw@village.uunet.be
Cc: qrp-1@lehigh.edu
Subject: [82496] Re: pcb layout
Message-ID: <200010290031.UAA20316@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> Could someone recommend me a software package for making PCB layouts from a
> given circuit design ?
>

Go to www.holophase.com and down load the free CirCad demo. You can
get either a DOS version (which I use) or a fancy Win98 one.

It's full feature, no restrictions other than you can't make
Gerber files, but you can make a very nice 600 dpi print out. Good
for SMT stuff on PnP Blue film. Pretty easy to learn and you can even
draw schematics.

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Sat, 28 Oct 2000 20:45:56 -0400
From: "Ed Tanton" <n4xy@att.net>
To: <flesnick@tbaytel.net>, "Low Power Amateur Radio Discussion" <qrp-
1@Lehigh.EDU>
Subject: [82497] RE: Is it asking too much for the foxhunters to make their own
list?
Message-ID: <CKEGICNFDIMCEKEDCEHF0EHIEIAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Well... it isn't WHY this group is here, but certainly is ONE of several
reasons.

73 Ed Tanton N4XY <n4xy@arrl.net>

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA QRP-ARCI NoGaQRP
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Sat, 28 Oct 2000 19:46:16 -0500
From: George F Franklin <w0av@juno.com>
To: k6qq@hdo.net
Cc: qrp-l@Lehigh.EDU
Subject: [82498] Re: Something Good in HR
Message-ID: <20001028.195334.-491703.1.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Youngsters,

Watch that "Old Duffer" stuff! I've been a QRPer most of those 65 years,
originally by necessity, later by choice.

Having fun working the CQWW SSB contest with 5 watts and no beams.

73 de George/W0AV
Licensed since 1935
K2 SN 550

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sat, 28 Oct 2000 21:03:39 EDT
From: Slqghp@aol.com
To: w0av@juno.com, qrp-l@lehigh.edu
Subject: [82499] Re: Something Good in HR
Message-ID: <32.bf1d7bd.272cd16b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 10/28/00 20:55:47 Eastern Daylight Time, w0av@juno.com

writes:

> Watch that "Old Duffer" stuff!

Someday I want to be an Old Duffer too!

Date: Tue, 24 Oct 2000 10:34:59 -0500
From: tmyers@academicplanet.com
To: "QRP-L, Post to List" <qrp-l@Lehigh.edu>
Subject: [82500] Them TX Hounds
Message-ID: <39F5AC23.E14292D6@academicplanet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

FYI!

Texas is unusual. It is the only state that has the right to divide itself into as many as FIVE states. It has many other unusual privileges grated to by it's treaty with the U.S.

So if it didn't have five times as many pelts as the next nearest SPC something is wrong.

KQ5U
A Houston Hound

Date: Sat, 28 Oct 2000 20:38:19 -0500
From: "George, W5YR" <w5yr@att.net>
To: tmyers@academicplanet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [82501] Re: Them TX Hounds
Message-ID: <39FB7F8B.B6FB2708@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Don't forget:

EACH of those five new states would still be larger than most of the other Lower 48!

Man, don't get a Texan braggin' !! <:}

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

tmyers@academicplanet.com wrote:

>
> FYI!
>
> Texas is unusual. It is the only state that has the right to divide
> itself into as many as FIVE states. It has many other unusual
> privileges grated to by it's treaty with the U.S.
>
> So if it didn't have five times as many pelts as the next nearest SPC
> something is wrong.

Date: Sat, 28 Oct 2000 22:13:16 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Tom and Roxy" <zikot@erie.net>, <QRP-1@Lehigh.EDU>
Subject: [82502] Hamtronics 2M -> 10M RX Converter
Message-ID: <048401c0414d\$fe112e80\$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

And...

I was ALSO wrong on the price of the Hamtronics
receiving converter.

The 2M to 10M Rx converter as a kit is only \$50.

Mike

Date: Sat, 28 Oct 2000 22:18:20 -0400
From: Fran Flynn <fflynn@together.net>

To: qrp-1 Discussion <qrp-1@Lehigh.EDU>
Subject: [82503] Altoids Tiny Tin
Message-ID: <39FB88EC.E3023B93@together.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just noticed the Altoids tiny tin tonight in the corner store.
It's about 1.5 by 2.5 inches in width and length and .5" high.
(the box, not the mints)

I wonder if anyone has built a rig in one of these containers yet, or
should I be the first?

BTW, I had a great time with the "shuffle" with 28 qso's, thanks to
all the zombies. The bands were very "un-dead" Friday night.

Fran Km1z
Zombie #773

Date: Sat, 28 Oct 2000 19:26:23 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Fran Flynn <fflynn@together.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [82504] Re: Altoids Tiny Tin
Message-ID: <Pine.BSI.3.96.1001028192556.23880A-100000@usr02.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I picked up one of those tins just last week. Thought I might try
building a receiver in one.

Chris

On Sat, 28 Oct 2000, Fran Flynn wrote:

> I just noticed the Altoids tiny tin tonight in the corner store.
> It's about 1.5 by 2.5 inches in width and length and .5" high.
> (the box, not the mints)
>
> I wonder if anyone has built a rig in one of these containers yet, or
> should I be the first?
>
> BTW, I had a great time with the "shuffle" with 28 qso's, thanks to
> all the zombies. The bands were very "un-dead" Friday night.

Chris

On Sat, 28 Oct 2000, Fran Flynn wrote:

> If I made my own board, I could maybe fit a Pixie in one, the battery
> might have to be external though. :)

>

>

> Chris Trask wrote:

> >

> > I picked up one of those tins just last week. Thought I might try
> > building a receiver in one.

> >

> > Chris

> >

> > On Sat, 28 Oct 2000, Fran Flynn wrote:

> >

> > > I just noticed the Altoids tiny tin tonight in the corner store.

> > > It's about 1.5 by 2.5 inches in width and length and .5" high.

> > > (the box, not the mints)

> > >

> > > I wonder if anyone has built a rig in one of these containers yet, or
> > > should I be the first?

> > >

> > > BTW, I had a great time with the "shuffle" with 28 qso's, thanks to
> > > all the zombies. The bands were very "un-dead" Friday night.

> > >

> > > Fran Km1z

> > > Zombie #773

> > >

> >

> > ,-----
> > / What's all this \

> > / extinct stuff, anyhow? \

> > \ -----'

> > _ | /

> > oo\

> > (__) \

> > \ \ . ' \

> > \ \ ' \

> > \ ' \

> > . () \

> > ' - |) _ | : . \

> > | | | | \ ' .

> > c__ ; c__ ; ' - . ' > . _

> >

> >

High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

```

      ,-----' .
    /   What's all this   \
  / extinct stuff, anyhow? / 
  \ -----' -
_ ||/
oo\
(--) \
     \ \   _  \
     \ \   '  \
     \ \   '  \
     \ \   "   \
     \ \         \
     \ \       ( ) \
     \ \       '-| | :. \
     \ \       | | | | \
     \ \       c__; c__; '...'>. __

```

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

>From the very beginning this has been a very noisy list. The best strategy I have found is to put all of them in a directory and sort them by subject. That way I can go through a hundred in 10 minutes or less

skipping
all the threads I don't care about.

This is a world wide list and not everyone has free internet. Some pay by the minute some by the byte some both. The diarrhea of posts insures that no one paying by the byte stays on this list unless they are true believers.

Gordon W5RED QRP-L #155
G. C. Cougar gcouger@provlue.net Stillwater, OK

Date: Sat, 28 Oct 2000 21:22:10 -0600
From: Andrew Madsen <andrew@utahdesign.com>
To: qrp-l@Lehigh.EDU
Subject: [82508] Re: Altoids Tiny Tin
Message-ID: <39FB97E2.329FEACA@utahdesign.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have one sitting on the shelf waiting for a project to be put in it.
Would like to put a keyer or something into it. A receiver would be cool too.

--
73,
Andrew Madsen AC7CF
ac7cf@qsl.net
<http://www.qsl.net/ac7cf>
AOL IM: ac7cf
FISTS nr. 7439 | QRP-L nr. 2180
FPQRP#-71 | A.R.S nr. 738
SOC #376 | UARC | ARRL
Norcal | NOGAQRP | NJQRP

Date: Sat, 28 Oct 2000 21:21:33 -0600

From: "Carlos J. Caro" <cjcaro@nail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [82509] Re: Them TX Hounds
Message-ID: <011501c04157\$570cf100\$6cd396d8@default>

George,

What's to brag ???

Texas is the SECOND largest state in the union !!

Gotcha !!

Carlos #1333

Date: Sat, 28 Oct 2000 23:28:27 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: "QRP-L" <qrp-l@lehigh.edu>, "NJQRP" <NJQRP@njqrp.org>
Subject: [82510] Portable PSK - photos & diagrams on website
Message-ID: <001701c04158\$4eb9c9a0\$0100000a@gheron>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I had the recent honor of presenting a technical topic called "Portable PSK - An Integrated and Portable PSK Station for 80 and 40 ... without a PC" at NorCal's Pacificon QRP Forum last weekend. Additionally, my 20 page article concerning the rig is in the current issue of QRPP hitting the streets this week.

For those of you who saw my little K2-sized PSK station during my talk, or who have been able to read the article in QRPP, you are now able to see color photos, and the schematics and diagrams of the project on the NJQRP website at <http://www.njqrp.org/portablepsk/> .

Again, it was such a thrill to be invited to speak and present a hot topic such as PSK31 to an eager and gracious group of QRPers as those present at Pacificon. I thank all of you for your interest and support. And I especially thank NorCal and Doug Hendricks KI6DS for putting on such a splendid weekend for all us QRPers. Narry a hitch was experienced and everyone clearly had a wonderful time. I surely know what goes on behind the scenes to make it appear seamless, and this year was simply awesome!

Details will continue to be unveiled as the Portable PSK project evolves. A follow-on article will be in the Winter 2001 issue of QRP Homebrewer and perhaps in an ARRL-sponsored publication as well. If things progress as hoped, we should have the project reduced to a low-priced set of circuit boards enabling others to easily build a Portable PSK station themselves.

72/73, George N2APB
n2apb@amsat.org
<http://www.njqrp.org>

Date: Sat, 28 Oct 2000 20:45:28 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@lehigh.edu
Subject: [82511] Warbler First QSO
Message-ID: <39FB9D58.37EC6747@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Friends,

My New Jersey QRP Club PSK-80 Warbler kit now has one QSO to its credit. A CQ netted a 20 minute ragchew with a station about a hundred miles to the north. Although there was some QSB, the other station consistently came back with "100% print." He was running double digit power and I printed him 100% as well. Interestingly, it was his very first contact using PSK-31 and my first contact using the Warbler.

Despite its simplicity, the Warbler receiver does a great job on 80 meters.

I am running it off a homebrew 13.8 volt power supply and get the following r.f. output:

3579.5	0.5 Watts
3580.0	3.0 Watts
3580.5	4.0 Watts
3581.0	3.5 Watts
3581.5	0.5 Watts

My thanks to George Heron, Dave Benson and the New Jersey QRP Club for making the Warbler available. This little rig rates a fun factor of "10" Plus.

--

Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s/>

Date: Sun, 29 Oct 2000 00:25:16 -0400
From: Fran Flynn <fflynn@together.net>
To: Chris Trask <ctrask@primenet.com>, qrp-l Discussion <qrp-l@Lehigh.EDU>
Subject: [82512] Re: Altoids Tiny Tin
Message-ID: <39FBA6AC.85995220@together.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The connectors take up more room than anything, so I am thinking that they could exist as pigtails outside the chassis, e.g. not mounted at all but attached to wires extending from the box. SMT parts, resistors, transistors and caps can be scavenged from old modems and motherboards. If you keep it simple as in the Pixie, it would fit. In fact, if you were creative you could even fit a better receiver in it, maybe even some sort of superhet with one or two stage xtal filter. Is the NE602/612 or current equiv available as surface mount? A couple of those IC's and 3 or so xtals and you have a superhet rcvr with IF filtering. I can see it now, the "tiny tin transceiver", or TTT.

Chris Trask wrote:

>
> I think you could get a couple of silver oxide batteries in there,
> then make the receiver proper as a double-sided affair. Have to use
> those really small SMT parts, provided you can get any at all.

>
> Chris

>
> On Sat, 28 Oct 2000, Fran Flynn wrote:

>
> > If I made my own board, I could maybe fit a Pixie in one, the battery
> > might have to be external though. :)

> >
> >

> > Chris Trask wrote:

> > >

```
> > >         I picked up one of those tins just last week. Thought I might try
> > > building a receiver in one.
```

```
> > > Chris
```

> > > On Sat, 28 Oct 2000, Fran Flynn wrote:

> > > I just noticed the Altoids tiny tin tonight in the corner store.

```
> > > > It's about 1.5 by 2.5 inches in width and length and .5" high.
```

```
> > > > (the box, not the mints)
```

```
> > > I wonder if anyone has built a rig in one of these containers yet, or
```

```
> > > > should I be the first?
```

> > > BTW, I had a great time with the "shuffle" with 28 qso's, thanks to

> > > all the zombies. The bands were very "un-dead" Friday night.

```
> > > > Fran Km1z
```

```
> > > > Zombie #773
```

> > >

```
> > > /-----.\
> > > /      What's all this      \
> > > / extinct stuff, anyhow? /
> > > \-----'

```

 $\begin{array}{c} & \text{---} \\ >>> | / \end{array}$

> > > oo\

$$x_1 \geq x_2 \geq x_3 \geq \dots \geq x_n \geq 0$$
$$\begin{array}{c} \text{---} \\ \text{---} \\ \text{---} \end{array} \quad \begin{array}{c} \text{---} \\ \text{---} \\ \text{---} \end{array} \quad \begin{array}{c} \text{---} \\ \text{---} \\ \text{---} \end{array}$$
$$\begin{array}{ccccccc} & \nearrow & \rightarrow & \searrow & & \cdot & \cdot \\ & / & & \backslash & & / & \backslash \\ > & > & > & & / & \backslash \end{array}$$
$$\begin{array}{ccccccc} & \nearrow & \nearrow & \nearrow & & & \\ & & & & \searrow & \searrow & \searrow \\ > & > & > & & (&) & \backslash \end{array}$$
$$\begin{array}{ccccccc} & & & & \cdot & & (\quad) \\ >>> & & & | & - & | & \backslash \end{array}$$
[illegible]
$$\begin{array}{ccccccc} & & & | & | & | & | \\ \nearrow & \nearrow & \nearrow & & & & \searrow \\ & & & c & : & c & : \end{array}$$

10/10

> > >
/ / /

> > >

> >

>

> _____.

```
> / What's all this \
```

> / extinct stuff, anyhow? /

> \rule{1cm}{0.4pt} \rule{10cm}{0.4pt}

$$y = -1/2$$

> oo\

> (__) \

$$x_1, x_2, \dots, x_n$$

> \ \ / \

```

>      \  "      \      IEEE Member #40274515
>      .      ( ) \
>      '-| )__| :. \      Email: ctrask@primenet.com
>      | | | | \ '      http://www.primenet.com/~ctrask
>      c__; c__; '-..'>.__
>
>
>      Graphics by Loek Frederiks

```

Date: Sun, 29 Oct 2000 00:46:05 -0400
 From: Fran Flynn <fflynn@together.net>
 To: qrp-l Discussion <qrp-l@Lehigh.EDU>
 Subject: [82513] Sierra receive AGC time constant
 Message-ID: <39FBAB8D.71D3F10E@together.net>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit

Wondering if anyone has tried to alter the AGC time constant on a Sierra. It's too long for CW to my taste. I was thinking of changing c26 from 2.2 uf to maybe something like .47 uf to shorten up the rx agc time constant. Anyone ever monkey with this?

Thanks

Fran Km1z
 zombie: 773

Date: Sun, 29 Oct 2000 00:55:07 -0400
 From: "Mark Fancher" <mmfanche@gateway.net>
 To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
 Subject: [82514] Re: 2m Schematic Needed
 Message-ID: <012b01c04164\$6bfaafa0\$66d1193f@GEARemote>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

Check out Kanga's kits for KK7B's single signal DC receiver, the miniR2. I think the receiver will work up through 500 MHz. High quality kit, \$95. There are articles in QRP Power that describe in more detail.

<http://www.bright.net/~kanga/kanga/>

Mark, W09G

----- Original Message -----

From: "Tom and Roxy" <zikot@erie.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Saturday, October 28, 2000 3:06 PM

Subject: 2m Schematic Needed

> Does anyone on QRP-L have or know where I can find a schematic diagram
> for 2m rcvr that could detect CW?? I recently built a 2m QRP 740mw CW
> xmtr and now need to find a suitable rcvr schematic. The xmtr was my
> first attempt at Manhattan style construction and the first time I have
> ever built a VHF xmtr. It worked the first time I powered it up! I am
> looking forward to try some CW QRP wrk accross Lake Erie to our fellow
> Canadian hams in VE3 land.

>

> Tnx to anyone that can assist me.

>

> 73's es gud DX!

>

> Tom & Roxanne

> WA1VAI/3

>

>

Date: Sat, 28 Oct 2000 22:22:59 -0700

From: "Glenn Maclean" <glennmaclean@ix.netcom.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [82515] K1 s/n 46 is now up and running

Message-ID: <001d01c04168\$4d9ccda0\$2088fea9@oemcomputer>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I picked up my K1 at Pacificon. I finished putting it together Thursday night. It went together without a hitch and was easy to build. I the 40 and 20 meter bands. Worked a few stations with it during the Zombie Shuffle. It worked great. I heard Chuck K7Q0 in there tried to get him a couple of times but never made it. Chuck I know you were on your K1 as well. I am looking forward to working some of you with my new up and running K1

Glenn WA7SPY

Date: Sat, 28 Oct 2000 19:48:49 -1000
From: w6ors@juno.com
To: qrp-l@Lehigh.EDU
Subject: [82516] Re: Altoids Tiny Tin
Message-ID: <20001028.195016.-718891.1.w6ors@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

10-28-00

My Pixie II and a 9v battery fit very nicely...
Corky W6ORS
Hilo HI

On Sat, 28 Oct 2000 21:22:10 -0600 Andrew Madsen <andrew@utahdesign.com>
writes:

> I have one sitting on the shelf waiting for a project to be put in
> it.
> Would like to put a keyer or something into it. A receiver would be
> cool
> too.
>
> --
> 73,
> Andrew Madsen AC7CF
> ac7cf@qsl.net
> <http://www.qsl.net/ac7cf>
> AOL IM: ac7cf
> FISTS nr. 7439 | QRP-L nr. 2180
> FPQRP#-71 | A.R.S nr. 738
> SOC #376 | UARC | ARRL
> Norcal | NOGAQRP | NJQRP
>
>
>

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sat, 28 Oct 2000 23:41:36 -0800
From: Dan Presley <talljazz@teleport.com>

To: qrp-1@LeHigh.EDU
Subject: [82517] Zombie- the blues shuffle
Message-ID: <v03007816b62180988f46@[216.26.12.9]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, "Elvis has left the frequency"! Lots of fun this year, with the usual in and out conditions on 20-stations would come and go pretty quick to many areas of the country. It seemed fitting that I finally had to stop to go do a gig-I could feel my cousin's hand on my shoulder (Elv is supposed to be a 2nd or 3rd cousin!) and my old J 200 (a guitar, not a radio) started playing itself. Had a great time, and I tried to be on again just before midnight but one of my bandmates had his car plowed into by an iniebriated Ford Explorer :) so I was delayed getting back to the shack. What about next year getting a portable station to set up at Graceland?

Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Sun, 29 Oct 2000 05:18:32 -0600
From: tedkell@juno.com
To: fflynn@together.net
Cc: qrp-1@Lehigh.EDU
Subject: [82518] Re: Altoids Tiny Tin
Message-ID: <20001029.051836.-476821.0.tedkell@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Have you seen this?

<<http://www.clarc.org/contest.htm>>

Ted

N3Ted

On Sat, 28 Oct 2000 22:18:20 -0400 Fran Flynn <fflynn@together.net> writes:

> I just noticed the Altoids tiny tin tonight in the corner store.
> It's about 1.5 by 2.5 inches in width and length and .5" high.
> (the box, not the mints)
>
> I wonder if anyone has built a rig in one of these containers yet,
> or

> should I be the first?
>
> BTW, I had a great time with the "shuffle" with 28 qso's, thanks to
> all the zombies. The bands were very "un-dead" Friday night.
>
> Fran Km1z
> Zombie #773

Ted Kell
N3TED

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sun, 29 Oct 2000 06:25:40 -0500
From: "Tim R. Havens" <n1rz@timhavens.com>
To: <myetsko@insydesw.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [82519] Re: Hamtronics 2M -> 10M RX Converter
Message-ID: <000c01c0419a\$f8ac8a00\$0201a8c0@ramphome.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

BTW - I've found the quality of the Hamtronics to be excellent. I built a 432Mhz to 28Mhz xverter a few years back that I still use. I really like the pcboards they supply, and the design layout.

Tim
----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, October 28, 2000 9:13 PM
Subject: Hamtronics 2M -> 10M RX Converter

> And...
>
> I was ALSO wrong on the price of the Hamtronics
> receiving converter.
>
> The 2M to 10M Rx converter as a kit is only \$50.

>
> Mike
>
>

Date: Sun, 29 Oct 2000 05:36:16 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-1@Lehigh.EDU
Subject: [82520] FS- Daiwa Active Filter
Message-ID: <3.0.2.32.20001029053616.006d43bc@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For Sale:

Daiwa model AF-606K All Mode Active Filter. \$35.00 Ship CONUS.

Fine condition, nonsmoker, new rigs have DSP, no longer needed.

Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Sun, 29 Oct 2000 07:07:07 +0000
From: John R Kirby <n3aaz-qrp@juno.com>
To: gbutzlauff@voyager.net, qrp-1@Lehigh.EDU
Subject: [82521] Re: Simple RIT for DC xcvr
Message-ID: <20001029.070812.-110791.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Yes if the rig is varactor tuned . . .

"RIT for the 30-40 and 40-40 Transceivers"

by Dave NN1G

was published in >72< Oct 94 . . . The NE QRP newsletter . . . PC layout provided.

I still have a >few< CD4066s up for grabs (free).

Substitutes for the CD4066 IC are . . .

The MM74HC4066N-ND (\$0.72 . . . Digi-Key (www.digikey.com)

or any >CMOS< Quad Analog Switch or any TPDT dry contact switch.

John
N3AAZ
FM 19 xa

On Sat, 28 Oct 2000 13:46:40 -0700 "Glenn Butzlaff"
<gbutzlaff@voyager.net> writes:
>Just wondering if anyone here has any ideas or knows of some archived
>info
>regarding simple RIT/offsets for a direct conversion based
>transceivers. Any
>info greatly appreciated.
>
>Glenn Butzlaff, WE9K
>
>

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sun, 29 Oct 2000 07:14:19 EST
From: KG4CRU@aol.com
To: randyh@harksystems.com, Klqrp@applegate.org
Cc: nogaqrp@qth.net, QRP-L@lehigh.edu
Subject: [82522] Re: [KLQRP] KLN 10/22/00
Message-ID: <be.b22182d.272d6e9b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Knights!

look for the Knightlites net tonight Sunday 29th October on 3686.4Khz. WQ4RP.

Time 9:00 Local (remember the time change!).

NCS op is N4HAY Dick.

Fun for all!

72 de Dick

Date: Sun, 29 Oct 2000 08:24:18 -0500
From: Michael Bower <bowerm@ix.netcom.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [82523] Re: Altoids Tiny Tin
Message-ID: <39FC2501.6D449E62@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I thought about making a radio "train" with a few of these boxes. One for the receiver, one for the transmitter, one for the battery etc. Never got around to it.

Michael N4NMR

Chris Trask wrote:

> I think you could get a couple of silver oxide batteries in there,
> then make the receiver proper as a double-sided affair. Have to use
> those really small SMT parts, provided you can get any at all.
>
> Chris
>
> On Sat, 28 Oct 2000, Fran Flynn wrote:
>
> > If I made my own board, I could maybe fit a Pixie in one, the battery
> > might have to be external though. :)
> >
> >
> > Chris Trask wrote:
> > >
> > > I picked up one of those tins just last week. Thought I might try
> > > building a receiver in one.
> > >
> > > Chris
> > >
> > > On Sat, 28 Oct 2000, Fran Flynn wrote:
> > >
> > > > I just noticed the Altoids tiny tin tonight in the corner store.
> > > > It's about 1.5 by 2.5 inches in width and length and .5" high.
> > > > (the box, not the mints)
> > > >

```
> > > > I wonder if anyone has built a rig in one of these containers yet, or
> > > > should I be the first?
```

> > > > BTW, I had a great time with the "shuffle" with 28 qso's, thanks to
> > > > all the zombies. The bands were very "un-dead" Friday night.

> > > > Fran Km1z

> > > >

> > >

[illegible]

> > >

> >

>

```

>
> /      What's all this      \
> /  extinct stuff, anyhow?  /
> \      -----      \
> \ /
> oo\
> (__) \
>      \      . ' ' '
>      \      .
>      \      ( )
>      \      ' - | ) _ _ | : .
>      | | | | | \ '
>      c _ _ ; c _ _ ; ' - . . ' > . _ _

```

>

Graphics by Loek Frederiks

— —

73 de N4NMR
Michael Bower

Ashburn, VA (near Washington, D.C.)

Date: Sun, 29 Oct 2000 06:50:08 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: w6ors@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [82524] Re: Altoids Tiny Tin
Message-ID: <Pine.BSI.3.96.1001029064827.16400B-100000@usr01.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 28 Oct 2000 w6ors@juno.com wrote:

```
> 10-28-00
> My Pixie II and a 9v battery fit very nicely...
>
```

Uhhh... We're talking about the Altoids "Tiny Tin", which is 2.5 x 1.5 x .625", just slightly larger than the 9V battery.

Chris

[illegible]

High Performance Mixers and Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Sun, 29 Oct 2000 08:39:07 -0500
From: Michael Bower <bowerm@ix.netcom.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [82525] Re: Altoids Tiny Tin
Message-ID: <39FC287A.38D10B9@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Now I have a REAL challenge. No, it's not the CLARC challenge (although I like that), it's the tins. I have only seen the standard tin. I didn't know they had the other colors as well. Time to go shopping. Anybody seen the Wintergreen or Cinnamon tins (tiny ones) in any of the big chains?

Michael N4NMR

tedkell@juno.com wrote:

> Have you seen this?
>
> <<http://www.clarc.org/contest.htm>>
>
> Ted
>
> N3Ted
>
> On Sat, 28 Oct 2000 22:18:20 -0400 Fran Flynn <fflynn@together.net>
> writes:
> > I just noticed the Altoids tiny tin tonight in the corner store.
> > It's about 1.5 by 2.5 inches in width and length and .5" high.
> > (the box, not the mints)
> >
> > I wonder if anyone has built a rig in one of these containers yet,
> > or
> > should I be the first?
> >
> > BTW, I had a great time with the "shuffle" with 28 qso's, thanks to
> > all the zombies. The bands were very "un-dead" Friday night.
> >
> > Fran Km1z
> > Zombie #773
>
> Ted Kell

> N3TED
>
> -----
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!
> Juno now offers FREE Internet Access!
> Try it today - there's no risk! For your FREE software, visit:
> <http://dl.www.juno.com/get/tagj>.

--
73 de N4NMR
Michael Bower
Ashburn, VA (near Washington, D.C.)

Date: Sun, 29 Oct 2000 09:00:02 -0500
From: Bill Lazure <n2tpa@juno.com>
To: qrp-1@lehigh.edu
Subject: [82526] PCB software review (Long)
Message-ID: <20001029.090108.-68583.0.N2TPA@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

I went on this search about a year ago. I was looking mainly at low-end software (<\$50), shareware, or freeware. I know many of you really like what you're using, so take this only as my OPINION. Please, no nasty flames! It was written in terms of what *I* needed at the time.

1. PCBExpress - Simplest, most intuitive, and easiest of the bunch to use - BUT, when it prints, it puts your board on a grey background. You can't readily make a photocopy transfer or negative from it's print. Some have suggested fudging with print quality or photocopy darkness, but I just couldn't get it to make decent transfers.
2. Easytrax- DOS program. Confusing. You're in a hard way if your cursor wanders off screen. Prints pretty poorly.
3. Eagle from CADSoft- Big program. It's designed to do alot more than just schematics or PCBs. VERY hard to generate your own components or pads. Not intuitively obvious. You'll spend more time learning it than using it.
4. PCBElegance - Another Big program. Don't quite remember why I didn't

like it, but I think it was for the same reasons as Eagle.

5. Target 2000- VERY Unstable. I never finished a design on it, it quit and locked up my machine (Twice). Originally written in German with no english documentation.

6. CirCad98 -This looked VERY promising. Easy to use, Few limitations (at least that I could find in the brief time I ran it). Printed OK. Big drawback for me was that it needs a high performance video card. I could only run it at work. That killed it for me.

7. Most of the other programs either won't print, won't save, or only run you through their tutorial. Useless.

8. I'm not even going to discuss the \$1000+ programs or their demos. Let's face it, if you ever need more than 100 pins (or decide to save/print a layout), you'll either pay the \$1000+, or start from scratch with one of the cheaper programs. Seems simpler to start with something you may be able to afford.

9. - ISYS LITE (Labcenter Electronics)- Simple, easy to use, easy to modify with your own packages. Prints, saves, max 100 pins on shareware, but costs 15 pounds (\$35 USD). So, if you like it, it's cheap enough to buy for an indefinite number of pins. It's not intuitively obvious, but once you read the "read Me", it makes sense. It will not output net lists or gerber files; for my useage, that's OK. It plots and prints FB.

I asked for this for last year's birthday present. I've used it for a CMOS keyer, a R2 variant, and an audio filter. It works fine.

These are just my opinions. I do not make PCBs professionally, and have only a modest (ie. slow and old) computer. Thus, I take a hobbyists view. Personally, I'd like to see PCBExpress release a version of their software for sale with the print problem solved. I contacted them concerning this, but since they're only a PCB manufacturer, and use this program to standardize their submittal process, they were uninterested.

If I've offended anyone with this, sorry. I don't welcome "flames".

73 and GL,

Bill
W2EB

P.S. - the best schematic drawing program I've found is TinyCAD by Matt Pyne, and the simplest most complete simulator is Simetrix by Newbury Tech.

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

Juno now offers FREE Internet Access!

Try it today - there's no risk! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Sun, 29 Oct 2000 09:40:34 -0500

From: "AI2Q Alex" <ai2q@ispchannel.com>

To: <w7ox@earthlink.net>

Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>

Subject: [82527] RE: Anyone else hearing the SSB on 7.041 MHz???

Message-ID: <000001c041b6\$33578180\$5c32a7d0@ispchannel.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

If you listen to the stations legally operating SSB around 7050 kHz, you can also frequently get the opportunity to work them. Many will state that they're listening above 7150, and usually indicate an exact QRG where they're listening. You can work a lot of LSB DX this way on 40 fone.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Phil Wheeler

Sent: Saturday, October 28, 2000 10:32 AM

To: Low Power Amateur Radio Discussion

Subject: Re: Anyone else hearing the SSB on 7.041 MHz???

Fred Lesnick wrote:

>

> At 06:30 z on saturday morning(z) I was listeng to a PY0 station calling cq on

> 7.026.3 and listening on 7.205... So this should be teh norm for the weekend..

>

I am glad to see this discussion, Fred. I heard it while aligning the RX section of a new rig and wondered if it was the rig. I can now cross it off my "things to check" list.

Phil W7OX

Date: Sun, 29 Oct 2000 09:53:27 -0500
From: Michael Bower <bowerm@ix.netcom.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [82528] Zombie "stand in place"
Message-ID: <39FC39E7.19F908CB@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, I was disappointed with the Zombie Shuffle. One of these days I'll get it right. I got lots of noise on 40 m and virtually nothing on 20 meters. Throughout the evening, I kept trying but nada-zilch-nothing.

Next morning I found out why. The SLV that I had put up 1) had collapsed down to about 8 feet rather than 20 feet (the SD-20), and 2) the dog has pulled off the radials on the bottom.

So I probably set the records for the lowest score. I can name a few Elvi, I thought the conditions were crummy so I think I came up with 1666. And I'll send it in that way (ok, Jan?) Anybody lower?

But I still think the contest is a "hoot". Love the humor.

(I've already sent a message to my friend. Time to put a real antenna up in attic. Maybe by this time next year, I can get it done.)

Michael N4NMR

--
73 de N4NMR
Michael Bower
Ashburn, VA (near Washington, D.C.)

Date: Sun, 29 Oct 2000 10:11:42 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: Elecraft Reflector <elecraft@qth.net>
Cc: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [82529] K1 #70 on the Air
Message-ID: <Pine.3.89.10010290949.E17671-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Got my kit Friday afternoon and pretty much buried myself in it for the weekend. Alignment was done last night and the first QSO's were this morning. First K1 QSO was with W4FMS. He was using his just finished K2 also for his first QSO!

A couple of minor discrepancies: I was short one 1N4148 (Elecraft, don't send me one - had one in parts storage). One of the polystyrene caps had no markings on it. But, at that point, I only had two left and one of them marked 1200j was left over after selecting the 80khz range option. The VFO coil was out of range. Removing one turn threw it out the other way. Rewinding it with the same number of turns, it came out perfect! Go figure...

The Transmit Offset Adjustment doesn't work on mine. The C13 adjustment was approximated by alternate means since I could not hear the transmit monitor tone. Any quick suggestion of what to look for before I jump into the schematics?

Slick little rig! I'm looking forward to backpacking it in Shenandoah Nat'l Park next summer, and may get motivated to try some bicycle mobile in the meantime.

73,

Bob Patten, N4BP (0 0) Plantation, FL
-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://www.qsl.net/n4bp>
Brass Pounder BBS: (954) 472-7715
QRP ARCI #3412 ARS #799 SOC #1 Whiners #6

Date: Sun, 29 Oct 2000 10:15:41 -0500

From: Gwendolyn Patton <wendy_lyn@unforgettable.com>
To: <qrp-1@lehigh.edu>
Subject: [82530] Okay, okay, I get it already!!!
Message-ID: <200010291519.HAA28516@hawk.prod.itd.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Geeeeeez...the SIMPLE question I asked...that got answered within=
15
minutes of my asking it...has generated far more response than=
was
called for, reasonable, or warranted!

I *did not know* that it was such a big fat hairy deal. Now that=
I
know it is an official list activity, I will shut my silly little=
mouth and not BOTHER you with what you all seemed to consider a
"whine".

I've GOT a filter in place now, and if I get ONE MORE flame about=
this issue (I've gotten a couple off-list), I'll simply=
unsubscribe
and my concern with the issue will no longer exist. I don't WANT=
to
unsub, because there is a lot of very good information here, but=
I
also don't like being yelled at or called names!

Heck, I even got yelled at for my language! This whole issue has=
been an exercise in frustration for me, and I wish I'd never said=
a
blinking thing!

Now, please, can the issue be DROPPED????? If you make me feel=
any
smaller, I'll fall between the quarks in my chair!

--- Gwen

Date: Sun, 29 Oct 2000 07:23:46 -0800 (PST)
From: Craig LaBarge <wb3gck@yahoo.com>
To: qrpl-mailing-list <qrpl-1@lehigh.edu>
Subject: [82531] Re: BLT tuner question
Message-ID: <20001029152346.6261.qmail@web702.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On October 25th, W6JJZ wrote:

>>Because of the limited range of the tuning caps (which are apparently the only ones now commercially available), the BLT's matching range at its frequency limits isn't as great as with a "standard" z-match, but it does give a useful range. If you don't get a null with one or the other of the links in the middle of the unit's frequency range (30 meters) across this range of loads, then I'd suspect a component or wiring problem.<<

This was good advice from Charlie Lofgren. I built a BLT a few months ago. I tried to use it in the field a couple of times and had some trouble getting a reliable match with it. I put it in the category of "Stuff I Need to Look Into Further When I Get the Time" and set it aside. After reading Charlie's message, I dusted it off and checked it with an Autek RF-1 and an assortment the assortment of resistors. It failed the 30 meter check with the 50 Ohm to 1K Ohm range of loads Charlie recommends but I did isolate the problem. The toggle switch used to switch output links was bad! It was making a high resistance connection (when it made contact at all).

After replacing the switch, I re-ran the checks and this time it worked. So, the little BLT will be getting another shot in the field the next time out.

Thanks for the tip, Charlie!

73, Craig WB3GCK

Do You Yahoo!?
Yahoo! Messenger - Talk while you surf! It's FREE.

<http://im.yahoo.com/>

Date: Sun, 29 Oct 2000 10:28:13 -0500
From: "Ken La Rose" <kenlar@csolve.net>
To: <qrp-1@Lehigh.EDU>
Cc: <qrp-canada@lists.gpfn.sk.ca>
Subject: [82532] Grounding question
Message-ID: <000e01c041bd\$0ee532a0\$5b26e2d1@kenlar>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yesterday I helped my friend VE3AMI erect a 60 ft. Delhi tower at his country home. Today we're installing the rotor, mast and beam antenna. The tower is set on a 6 ft. deep concrete base about 130 ft. from the house, and he plans to dig a trench to lay ABS pipe containing the coax and rotor cable. He has 3 heavy galvanized steel guy wires attached to the tower, staked in the ground by 4-5 ft. long galvanized steel rods. The soil is fairly sandy in that area. I suggested locating a 6 ft. ground rod just outside the house to ground the station, but we'd like to know if he should consider connecting another ground rod to the base of the tower, and bury some lengthy radials out from it, in addition to the guy wire ground?

Looking forward to your comments; thanks!

72, de Ken VE3ELA Midland, On.

Date: Sun, 29 Oct 2000 10:52:00 -0500 (GMT+5)
From: wd9eyb@butler.qrp.com
To: qrp-1@lehigh.edu (QRP List)
Subject: [82533] Re: Need low power US/Canada map
Message-ID: <200010291552.KAA10623@butler.qrp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

John,

Unfortunately I have only half of what you need.
I don't have Canada.
But here's what I do have.

At first I thought I should take a picture of one of those ARRL WAS maps that they pass out at hamfests for free.
But then it occurred to me that that's dumb, the ARRL probably has it online. And they do at <http://www.arrl.org/awards/was/map.gif>
But that's in color and you said you didn't want color.
So I used paint and removed the color with a little work and put the result on my web page at <http://butler.qrp.com/~wd9eyb/mapusa.gif>

Sorry I don't have Canada,

Jim, WD9EYB

Date: Sun, 29 Oct 2000 08:55:48 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Gwendolyn Patton <wendy_lyn@unforgettable.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [82534] Re: Okay, okay, I get it already!!!
Message-ID: <Pine.BSI.3.96.1001029085340.20189A-1000000@usr01.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm beginning to more than slightly agree with Monte Start in his comments just prior to his leaving this list. The flame wars are getting out of hand, and the people out there who are taking advantage of opportunities to abuse others for technical shortcomings is making this list sound more like the antenna list used to be before certain individuals were finally removed.

If you can't be helpful in a civil manner, then shut the hell up.

Chris

On Sun, 29 Oct 2000, Gwendolyn Patton wrote:

> Geeeeeze...the SIMPLE question I asked...that got answered within 15
> minutes of my asking it...has generated far more response than was
> called for, reasonable, or warranted!
>
> I *did not know* that it was such a big fat hairy deal. Now that I
> know it is an official list activity, I will shut my silly little
> mouth and not BOTHER you with what you all seemed to consider a
> "whine".
>
> I've GOT a filter in place now, and if I get ONE MORE flame about

> this issue (I've gotten a couple off-list), I'll simply unsubscribe
> and my concern with the issue will no longer exist. I don't WANT to
> unsub, because there is a lot of very good information here, but I
> also don't like being yelled at or called names!
>
> Heck, I even got yelled at for my language! This whole issue has
> been an exercise in frustration for me, and I wish I'd never said a
> blinking thing!
>
> Now, please, can the issue be DROPPED????? If you make me feel any
> smaller, I'll fall between the quarks in my chair!
>
> --- Gwen
>
>
>

```

      /-----\
     /  What's all this  \
    / extinct stuff, anyhow? \
   /-----\
  _ | /
oo\
(--) \
     \  .  .  .
      \  '  '  '
       \  "  "  "
        \  (  )  \
         \  '-| )__| :. \
          \  | | | | \  '
           \  c__; c__; '---'>._

```

High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Sun, 29 Oct 2000 10:58:44 EST
From: Dean W Manley <kh6b@juno.com>
To: vhuntsinger@iwic.net
Cc: qrp-l@Lehigh.EDU
Subject: [82535] Re: Zombie Shuffle
Message-ID: <20001029.055902.5391.0.kh6b@juno.com>

Vance and Group:

Yes, I found 80m very quiet during the "Boo Test",
no signals on/near 3560, so I went back to 40m.

>80m was TOO quiet--where was everybody?
>Vance Huntsinger - WA9YDJ
>Libertyville, IL

20m was fair to good, but after about a half-hour
with no additional contacts, I went to 40m. It was
very noisy, QRM and a lot of QRM (SSB, data
and jammers). After a dozen contacts on 40m
I tried 80m. NIL. Back to 20m. called CQ a few
times, but no BOO stations. Approximately 3.5
hours devoted to the event. FUN.

Boo Stations worked: 16 on 20m, 12 on 40m.
JR Stations: NW7DX
Elvis Stations: NW7DX, W8SFF, N0RC, K1MG (on 2
bands), N6WG.
If I calculated correctly, my total score is 22,952.
Wow, those bonus point sure add up. :-)

Thanks Jan, for asking me to be an "ELVIS"
in this event. It was fun.

Aloha,
Dean KH6B
Hilo Hawaii

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sun, 29 Oct 2000 11:02:48 -0500
From: "Tim R. Havens" <n1rz@timhavens.com>
To: <kenlar@csolve.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [82536] Re: Grounding question
Message-ID: <008a01c041c1\$aafa825e0\$0201a8c0@ramphome.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I built a 100' Rohn 25 when I lived in southern NJ. The tower was 60' above any average terrain for about 40 miles.

It was never damaged by lightning nor hit as far as I'm aware.

At anyrate...when I put in my grounding....I ran three solid copper #6 wires down from the top of the tower (one per leg). They were connected to a halo around the base which went out into three 120' radials buried in the ground.

Additionally the guywires were grounded 5' out from earth, and about 15' out as well.

Being in sand can be a problem for getting a decent ground. If you can get ground rods that will go more than 10' get them. And use as fat a copper conductor wire as you can to feed them.

I think taking the copper UP the tower really makes a big difference.

I basically mimicked what we did at the cellular phone company I worked for. We had 300' towers ground in the same manner.

We also grounded the shields of all coax/helias entering the shack. I never got arrestors installed...but that probably wouldnt be a bad idea... They were grounded at the top of the tower, and at the shack entrance.

Course when lightning does strike all you can do is pray. All the grounding in the world is no garrauntee. When we were hit at work, it usually came in on a normal POTS phone line via a 1200b modem ;-)...which was connected to a huge switching network, and it would travesse that switching system go through some T1 connection cards to an 8T 2Ghz Microwave and burn out the RX on it ;-)

Make sure if you have to go around corners that you make LONG turns. NO 90deg angles anywhere! Nice easy slow turns in all places you need to go around things. When that juice hits a sharp angle it tends to try to jump to something else....

Anyway, I used 10' long Copper Rods in normal earth (ie no sand). Why are you using Galvanized rods? I've never heard of that....is it better for some reason? I've just never heard of them.

Tim - N1RZ

----- Original Message -----

From: "Ken La Rose" <kenlar@csolve.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, October 29, 2000 10:28 AM

Subject: Grounding question

> Yesterday I helped my friend VE3AMI erect a 60 ft. Delhi tower at his
> country home. Today we're installing the rotor, mast and beam antenna. The
> tower is set on a 6 ft. deep concrete base about 130 ft. from the house,
and
> he plans to dig a trench to lay ABS pipe containing the coax and rotor
> cable. He has 3 heavy galvanized steel guy wires attached to the tower,
> staked in the ground by 4-5 ft. long galvanized steel rods. The soil is
> fairly sandy in that area. I suggested locating a 6 ft. ground rod just
> outside the house to ground the station, but we'd like to know if he
should
> consider connecting another ground rod to the base of the tower, and bury
> some lengthy radials out from it, in addition to the guy wire ground?
>
> Looking forward to your comments; thanks!
>
> 72, de Ken VE3ELA Midland, On.
>

Date: Sun, 29 Oct 2000 08:12:48 -0800
From: Bob Nielsen <nielsen@oz.net>
To: qrp-1@lehigh.edu
Subject: [82537] Re: Grounding question
Message-ID: <20001029081248.B1213@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Unless he is going to use the tower as a vertical, I don't see any need for radials, but adding a ground rod close to the base might help for lightning protection. I've seen many commercial tower installations with three ground rods and a pretty heavy copper strap going to a leg of the tower from each. Apparently there is always some residual moisture in concrete and the current from a direct strike can cause the concrete to literally explode.

72/73,

Bob, N7XY

On Sun, Oct 29, 2000 at 10:28:13AM -0500, Ken La Rose wrote:

> Yesterday I helped my friend VE3AMI erect a 60 ft. Delhi tower at his
> country home. Today we're installing the rotor, mast and beam antenna. The
> tower is set on a 6 ft. deep concrete base about 130 ft. from the house, and
> he plans to dig a trench to lay ABS pipe containing the coax and rotor

> cable. He has 3 heavy galvanized steel guy wires attached to the tower,
> staked in the ground by 4-5 ft. long galvanized steel rods. The soil is
> fairly sandy in that area. I suggested locating a 6 ft. ground rod just
> outside the house to ground the station, but we'd like to know if he should
> consider connecting another ground rod to the base of the tower, and bury
> some lengthy radials out from it, in addition to the guy wire ground?
>
> Looking forward to your comments; thanks!
>
> 72, de Ken VE3ELA Midland, On.

--

Bob Nielsen, N7XY
Bainbridge Island, WA

nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Sun, 29 Oct 2000 08:20:13 -0800
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>
To: "'kenlar@csolve.net'" <kenlar@csolve.net>, "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [82538] RE: Grounding question
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBE23@arcadia-pd1.arcadiapd.com>
MIME-Version: 1.0
Content-Type: text/plain

Ken and the List;
Electrical safety and lightning grounds are one issue,
RF groundplanes, radials or counterpoise systems are another.
For electrical/static/lightning, I suggest some electrician's copper
plated
eight to ten foot ground rods driven into the ground at the tower base
and connected to the tower legs with heavy gauge wire or copper straps.
The station ground can go to another common-point ground rod close to
the station. Leads from transmitter, tuner, PS can connect to this rod
via heavy gauge wire. A ground to an all-metal cold water main will
work, keeping in mind that in Canada and US the electrical "neutral" is
also grounded to many cold water mains.
All coax runs and rotor cables should have lightning arrestors.
You might also want an easy means of disconnecting the coax and rotor
cable in the station for when those anvil-top clouds get too close.

The above safety grounds will not change your beam antenna's
performance. Where radials come in is for roof- or ground-mounted MF
through HF verticals, and some types of wire antennas.
At RF, performance is better if the radials are not buried way under the
soil (as in electrical/static/lightning grounds).

A possibly amusing story:

I once saw a police department "radio technician" add a thick #10 wire between the metal plate on top of a cruiser lightbar and the metal body of the lightbar. (The top metal plate of the lightbar supported an NMO-type

1/4 wave UHF antenna and was a nice 6" by 24" UHF groundplane).

His reason for doing so was "It will make the UHF antenna 'get out better'"......<L>

A few months later, I observed this same expert neglecting to install the radials on a VHF "Stationmaster" base station antenna. His reason for

the neglect was "It was already grounded because the tower was grounded at the base"

<ROTFL>

73

Jay

W6CJ

-----Original Message-----

From: Ken La Rose [mailto:kenlar@csolve.net]

Sent: Sunday, October 29, 2000 7:28 AM

To: Low Power Amateur Radio Discussion

Subject: Grounding question

Yesterday I helped my friend VE3AMI erect a 60 ft. Delhi tower at his country home. Today we're installing the rotor, mast and beam antenna.

The

tower is set on a 6 ft. deep concrete base about 130 ft. from the house, and

he plans to dig a trench to lay ABS pipe containing the coax and rotor cable. He has 3 heavy galvanized steel guy wires attached to the tower, staked in the ground by 4-5 ft. long galvanized steel rods. The soil is fairly sandy in that area. I suggested locating a 6 ft. ground rod just outside the house to ground the station, but we'd like to know if he should

consider connecting another ground rod to the base of the tower, and bury

some lengthy radials out from it, in addition to the guy wire ground?

Looking forward to your comments; thanks!

72, de Ken VE3ELA Midland, On.

Date: Sun, 29 Oct 2000 11:31:54 -0500
From: "Tim R. Havens" <n1rz@timhavens.com>
To: <nielsen@oz.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [82539] Re: Grounding question
Message-ID: <00b301c041c5\$c04cdf40\$0201a8c0@ramphome.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Adding radials to a grounding system is not to help things radiate ;-). At least not in the RF sense. In my half baked mind, (meaning I can't clearly remember the technical terms for this), it helps to increase the grounding base of the entire grounding system. ie...to help make the tower seem less attractive to lightning.

It has nothing to do with loading the tower up as an antenna in this case.

At all the 300' towers I've worked on (about 30) we had installed a grounding system as I mentioned, and including radials which went from the lower half around the base out from the tower to ground rods at the ends of them was standard practice.

Tim - N1RZ

PS - If a cellular phone company is willing to invest in this sort of grounding system it says a lot about the grounding system. At least the one I worked for was VERY tight with the cash when it came to the engineering side of things.

Your best bet is to spend some time reading up on various grounding techniques, and in this case particularly those situations where a sandy earth is an issue.

----- Original Message -----

From: "Bob Nielsen" <nielsen@oz.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, October 29, 2000 11:12 AM
Subject: Re: Grounding question

> Unless he is going to use the tower as a vertical, I don't see any need
> for radials, but adding a ground rod close to the base might help for
> lightning protection. I've seen many commercial tower installations
> with three ground rods and a pretty heavy copper strap going to a leg
> of the tower from each. Apparently there is always some residual
> moisture in concrete and the current from a direct strike can cause the
> concrete to literally explode.
>

> 72/73,
>
> Bob, N7XY
>
> On Sun, Oct 29, 2000 at 10:28:13AM -0500, Ken La Rose wrote:
> > Yesterday I helped my friend VE3AMI erect a 60 ft. Delhi tower at his
> > country home. Today we're installing the rotor, mast and beam antenna.
The
> > tower is set on a 6 ft. deep concrete base about 130 ft. from the house,
and
> > he plans to dig a trench to lay ABS pipe containing the coax and rotor
> > cable. He has 3 heavy galvanized steel guy wires attached to the tower,
> > staked in the ground by 4-5 ft. long galvanized steel rods. The soil is
> > fairly sandy in that area. I suggested locating a 6 ft. ground rod just
> > outside the house to ground the station, but we'd like to know if he
should
> > consider connecting another ground rod to the base of the tower, and
bury
> > some lengthy radials out from it, in addition to the guy wire ground?
> >
> > Looking forward to your comments; thanks!
> >
> > 72, de Ken VE3ELA Midland, On.
>
> --
> Bob Nielsen, N7XY nielsen@oz.net
> Bainbridge Island, WA http://www.oz.net/~nielsen
>
>

Date: Sun, 29 Oct 2000 12:10:24 EST
From: BOB0B0B1@aol.com
To: qrp-l@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [82540] Help Logging program!!
Message-ID: <c3.a79c3e9.272db400@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I need the address of that free Logging program...
Thanks..
Bob
WA1SCH
Clearwater Beach FL...
now P/1 in Boston..

Date: Sun, 29 Oct 2000 11:11:55 -0600
From: Lew Paceley <lew@paceley.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [82541] YAZR - Yet Another Zombie Report
Message-ID: <006101c041cb\$59c01160\$0332a8c0@roland.swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

It was my first Shuffle as well...and it was great fun. For those that haven't tried it, put it on your calendar for next year! Put 19 contacts in the log operating very casually with time off for dinner, kids, etc.

I was very disappointed in 40m, because my expectations were high for lots of contacts there... Only made 2 contacts on 40, although I did manage to snag Brian, K7RE on both 20 and 40 and Elvis :-), W5TB as well on 40. Went up into the Novice subband a couple times looking for CQWW refugees - no joy. I heard KI6DS briefly down at 7037 or so and then he vanished. While Texas isn't exactly "east" the SSB QRM was quite strong in Dallas, usually S9+.

A quick scan of the log shows 13 states: GA, WA, MI, IL, MN, FL, NC, PA, UT, MD, AZ, CA, and AR. Hoped to work more New Englanders...just heard KB1ENS briefly before I had to run to dinner. I was also surprised not to work another Texan! Totaled 2 JRs, 1 Grand Zombie (Tnx Chuck..sorry about the mistaken K1 identity problem :-) ...the DSW20 was booming in here) and 4 Elvii. Doug, KI6DS, I called several times but couldn't punch through the Grand Zombie pileup :-) Maybe next year.

Thanks Paul, Jan, Doug, Chuck, and all the other Grand Zombies and Elvii for making this a fun QRP event.

72/73,
Lew
N5ZE

Date: Sun, 29 Oct 2000 12:23:37 -0500

From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: NoVa QRP group <NoVaQRP@topica.com>, QRP-L <qrp-l@lehigh.edu>, NJ QRP Club
<njqrp@njqrp.org>, GQRP-L <gqrp@onelist.com>
Subject: [82542] CHAGOS on 28.027.5 at 1718Z 10/29/00
Message-ID: <39FC5D18.530A3D16@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

VQ0QM is on 10m with a 579 signal into Virginia (Wash DC area). He's
calling CQ -- I just worked him with 4 watts to my attic dipole.

Good Luck,

Jake -- N4UY

Date: Sun, 29 Oct 2000 11:29:21 -0600
From: "Gary Lee Phillips" <ka9nzi@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [82543] HW-8 Zombie
Message-ID: <200010291729.MAA13201@blount.mail.mindspring.net>

Well, all I can say is I never have liked 40 m. but this trip was
the worst I can recall. Between the SSB QRM and the SWBC
stations, I could hear virtually nothing. Did manage one 40 m.
QS0, very late (thanks, N0DSP).

As some of you know, I'm not much of a contester and no
fox hunter at all. This event was fun, though, even though I
never spotted Elvis. In my case, 80 m. was NOT quiet, and
that was where I made the most Q's despite normal QRN.
I did get some contacts on 20 m., including Grand Zombie
K7Q0. I could hear two more of the GZ's: KI6DS and NA5N
several times, but never solid and never got through to them.

HW-8 technical question: This was the first time I've used the
HW-8 with the G5RV I put up this summer. I found it much
more prone to front end overloading with this antenna, which
in part is what made 40 m. so useless to me. Even on 20 m.
(and I've never experienced this before) I was getting SWBC
QRM. Radio Canada was loud (and not tunable, so I assume
some sort of overload) until 0300Z. Thought I remembered a
mod to the antenna linkage of the HW-8 to improve this, but
when I looked it up it was only to "improve sensitivity on 15 m."
which hasn't been a problem for me. Are there any tricks to

reduce the tendency of the DC receiver in the HW-8 to soak
up these powerful phone signals and overload on them?

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Sun, 29 Oct 2000 12:38:20 -0500
From: "Ron Polityka" <wb3aal@fast.net>
To: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
Cc: ". QRP-L" <qrp-l@Lehigh.EDU>
Subject: [82544] Re: [GQRP] CHAGOS on 28.027.5 at 1718Z 10/29/00
Message-ID: <00bc01c041cf\$1a0d7860\$b40d5cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Jake,

I just worked him also and the call is VQ9QM.
QSL via W4QM.

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
<http://www.n3epa.org>
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI QRP #153
VA QRP Society #45	MI QRP #1703
K2 sn1392	NJ QRP #179

Date: Sun, 29 Oct 2000 12:45:38 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: NoVa QRP group <NoVaQRP@topica.com>, QRP-L <qrp-l@lehigh.edu>, NJ QRP Club
<njqrp@njqrp.org>, GQRP-L <gqrp@onelist.com>
Subject: [82545] Chagos -- VQ9QM still on 10m
Message-ID: <39FC6242.F69A735@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The call of the Chagos station on 28.027.5 is VQ9QM -- my last message
said VQ0QM (guess I got too excited). He's still on at 1740Z calling
CQ.

Jake -- N4UY

QSL for VQ9QM via W4QM:

Harmon D. Strieter, W4QM
928 Trinidad Rd
Cocoa Beach, FL 32931-3050

Date: Sun, 29 Oct 2000 18:46:29 +0100
From: "Hans Kaper" <hanskap@kaper-1.tmfweb.nl>
To: <QRP-L@LEHIGH.EDU>
Subject: [82546] List of abbreviations of US states.
Message-ID: <003801c041d0\$2dd65c80\$b703643e@tm981195>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

I'm almost ashamed! I've got 19 answers from you, most of which containing a
complete list of abbreviations for US states. Thanks a lot. I will print it
and keep it on the wall near my computer.

Hans. PA3HGM QRP-L 2262

Date: Sun, 29 Oct 2000 12:48:12 -0500
From: "Tim R. Havens" <n1rz@timhavens.com>

To: <jakecart@ix.netcom.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [82547] Re: Chagos -- VQ9QM still on 10m

Message-ID: <000701c041d0\$695a4320\$0201a8c0@ramphome.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Thanks for the shout on this one. Just bagged him too....from NH.

Goes nicely with the PY0FF I worked on 50.118 today too ;-) Good weekend on DX.

N1RZ

----- Original Message -----

From: "John L. "Jake" Carter" <jakecart@ix.netcom.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Sunday, October 29, 2000 12:45 PM

Subject: Chagos -- VQ9QM still on 10m

> The call of the Chagos station on 28.027.5 is VQ9QM -- my last message
> said VQ0QM (guess I got too excited). He's still on at 1740Z calling
> CQ.

Date: Sun, 29 Oct 2000 12:50:00 -0500

From: "Ron Polityka" <wb3aal@fast.net>

To: ". QRP-L" <qrp-l@Lehigh.EDU>

Subject: [82548] DX on 10 Meters

Message-ID: <00e101c041d0\$c90c3f80\$b40d5cd1@wb3aal>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Just worked CT3Ft on 28018.1 @ 17:44 UTC
with 950 mWatts. He gave me a 579, Wow.

72 & 73

Good DXing

Ron Polityka

de WB3AAL
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.n3epa.org
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI QRP #153
VA QRP Society #45	MI QRP #1703
K2 sn1392	NJ QRP #179

Date: Sun, 29 Oct 2000 13:35:04 -0500
From: John AE5X <ae5x@juno.com>
To: qrp-l@lehigh.edu
Subject: [82549] DX opportunities this weekend
Message-ID: <20001029.143606.-96917.0.ae5x@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Don't know if it meets everyone's idea of legal/moral, but here is a
real-time list of DX on the bands:
<http://www.eham.net/DX/>

John Harper AE5X
HW-9, OHR-100A/20M, NC-40A, DSW20, SST30, SST40
Outdoor QRP: <http://www.qsl.net/ae5x>

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Sun, 29 Oct 2000 11:58:11 -0800
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@lehigh.edu>
Subject: [82550] Construction: Adams Vs. Kortge, A Matchup of Heavyweights

Message-ID: <01c041e2\$90e4c520\$330b0d0a@dhendricks>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Guys, I am very pleased to announce that Chuck Adams, K7QO and Jim Kortge, K8IQY have agreed to participate in a Manhattan Construction Building Contest. This one will be done over the internet, with updates on qrp-l, and posting of progress pictures on the NorCal page. The voting will be done by qrp-l members, and the winner will be presented with a suitable plaque. Many final details are yet to be worked out, but I can tell you that they will be building the Iowa QRP 10 transceiver that was designed by Mike Fitzgibbon and featured in the Fall 2000 issue of QRPp which was distributed to all qrpers attending Pacificon, and will be mailed to all subscribers this week.

The Iowa QRP 10 is a 10 Meter Transceiver based on the SST, but with many mods to put it on 10 Meters (the SST is not available on 10M). Mike worked all last winter perfecting his redesign and has come up with a fantastic transceiver. Paul Harden, NA5N, agreed to do the illustrations, and boy did he do a fantastic job. There are 3 separate boards in the project, and Paul's illustrations make it a cinch that you will be able to reproduce Mike's work. Chuck and Jim, who are two of the worlds' best Manhattan style builders, have agreed to build the project from the article, and to let us "watch" as they do so. They will undoubtedly find a couple of things that they will point out that will make duplicating the rig easier.

I will be supplying a parts kit to both builders so that they have exactly the same parts to build from. I did the caps and resistors this morning, and was able to supply almost all of them from the NorCal cap and resistor kits (you did order those didn't you when we did them last spring and last year). This project will be very affordable to do. I will post the cost of the parts when I get finished, so you will have an idea of what it will cost you to build this rig.

Those of you who attended Pacificon can start studying the circuit and the diagrams, and may even want to build along with Chuck and Jim. The rest of you will get your QRPp in a very few days. Don't worry, the start date will be after Dec. 1st, so you still have time. I will post a parts list to the list later today in case you want to get a head start on ordering parts.

Lots of guys contributed to making this one possible: Chuck Adams, Jim Kortge, Mike Fitzgibbon, Paul Harden, just to name a few. Thanks in advance for what should be another great reason to stay on this list.

This is the rig that Jim Duffey used to work New Zealand from Ft. Smith, and the one that Paul used to make a bunch of DX qso's on ten meters.

72, Doug, KI6DS

Date: Sun, 29 Oct 2000 15:04:50 -0500
From: Ken Newman <N2CQ@citnet.com>
To: QRP-L@lehigh.edu, epaqrp-l@lehigh.edu, njqrp@njqrp.org
Subject: [82551] eQSLs for QRP ARCI Test
Message-ID: <3.0.6.32.20001029150450.007d1180@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All,
Anyone wanting an eQSL for N2CQ for the Fall QRP ARCI Test,
it's available at: <http://www.eqsl.cc/>
It's a GREAT IDEA! It may be acceptable in the near future fo DXCC.

Ken - N2CQ@ARRL.NET

Date: Sun, 29 Oct 2000 12:13:35 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: ki6ds@dph.dpol.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [82552] Re: Construction: Adams Vs. Kortge, A Matchup of Heavyweights
Message-ID: <39FC84EF.E3B5753F@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Doug Hendricks wrote:

>
> Guys, I am very pleased to announce that Chuck Adams, K7QO and Jim Kortge,
> K8IQY have agreed to participate in a Manhattan Construction Building
> Contest. This one will be done over the internet, with updates on qrp-l,
> and posting of progress pictures on the NorCal page. The voting will be
> done by qrp-l members, and the winner will be presented with a suitable
> plaque.

This DOES sound like fun, Doug.

73, Phil W7OX

Date: Sun, 29 Oct 2000 12:38:48 -0800
From: Patrick Armstrong <aa7fg@gte.net>
To: qrp-1@Lehigh.EDU
Subject: [82553] FS: K2 W/ all options...
Message-ID: <39FC8AD8.B8D5DDF1@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Elecraft K2 transceiver with 160M/2nd receive antenna, SSB, NB, ATU,
Internal
battery options installed... S/N 606 was professionally assembled and is
offered in excellent physical condition... All approved mods from
Elecraft (NB,
etc.) have been done to date and documented. Radio works great and
ships with all
manual(s) and original box(s).... \$895.00... shipped lower 48, thanks...
Pat, AA7FG - Oregon...

Date: Sun, 29 Oct 2000 16:59:25 -0500
From: "Caitlyn M. Martin" <ku4qd@qsl.net>
To: qrp-1@lehigh.edu, vhf@w6yx.stanford.edu, 6mt@50mhz.com
Subject: [82554] The Tokyo Hy-Power reflector has moved
Message-ID: <39FC9DBD.465C13CA@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

x-no-archive: yes

Hi, everyone,

The Tokyo Hy-Power reflector has a new home on qth.net. In addition, the
reflector home page has moved to:

<http://www.qsl.net/ku4qd/thp>

Information on how to subscribe and the full reflector FAQ can be found
there.

The Tokyo Hy-Power reflector is a forum for discussion about all aspects of

Tokyo Hy-Power equipment. This includes technical discussions and help, mods, operating information, buying, selling, and trading of Tokyo Hy-Power equipment, and the occasional discussion of similar equipment, such as Mizuho HF handhelds. OEM versions of THP equipment, such as the Kantronics and Amp Supply Co. branded versions of the Series 100 HF and 6m monoband transceivers are, of course, also fair discussion topics.

We have almost 100 hams on the list, which is usually pretty quiet. Anyone interested in THP equipment is welcome to join.

72/73,
Caity
KU4QD

--

Caitlyn M. Martin
ku4qd@qsl.net
<http://www.qsl.net/ku4qd>
<http://www.angelfire.com/nc/caitmartin>

Date: Sun, 29 Oct 2000 16:03:59 EST
From: DYARNES@aol.com
To: qrp-l@lehigh.edu
Subject: [82555] K1 #44 is QRV
Message-ID: <16.42530a6.272deabf@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi all,

Got my K1 fired up this morning. The little beast sounds great, and my reports have been very rewarding. The receiver is VERY hot!

For the most part this went pretty smoothly, even for yours truly, Mr. Fatthumbs! One missing cap, which the NorCal pack seems to have very nicely substituted, and one missing diode which most of us have in our parts box (1N4148).

All the tests went very smoothly until I tried to peak the receiver. No signals heard, but the audio circuit was working FB. So, I gave the board another look and, sure enough, one measley strand of coax braid on the jumper (mounted on the underside of the RF board) was shorting. Gads! A flick of my little screwdriver across the separation between the pads, and I was in

business. Actually, that solved my 40 meter tuning problem, but when I tried to tune 20 meters, there was not much I could hear coming through. Using a low output signal from another transmitter I was able to peak all the tork inductors except L4, which seemed to be non-functional. A look at the schematic showed that caps C9 and C10 made up that tuned circuit. Looking underneath the board showed that one of the pads on C9 wasn't as shiny as it should be. A touch of the iron + a bit more solder and bingo! Problem solved.

I do still have a problem, but it isn't holding me back right now. For some reason the RIT/XIT is on all the time, even though the LED indicator isn't on. I can turn that on by using the RIT button, but nothing changes since the RIT is already on. So, I have that problem to track down. Probably another fumble on my part.

The kit goes together very easily I think. The manual is very good, and everything seems to make sense. Alignment is pretty much a snap. All the menu items work FB, and everything in general makes good sense. Did I tell you that the receiver is HOT?

Hope everyone else putting this jewel together are having as much fun as I did/am. It's a great rig and a great kit.

More later.

72 de Dave W7AQK

P.S. Did I tell you that the receiver is HOT?

Date: Sun, 29 Oct 2000 16:06:48 -0500
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: <qrp-l@lehigh.edu>
Cc: <wa8mcq@erols.com>
Subject: [82556] Another way of reading QRP-L: html archives
Message-ID: <002901c041ec\$27b2f220\$8934fea9@l8a3h1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In his recent posting, Doug Hendricks, KI6DS, said "I see QRP-L as an electronic journal that comes out daily." That hits the nail on the head! And those of you who read the QRP Quarterly can check several years of back issues and see that in my Idea Exchange column I usually end up with a couple paragraphs promoting QRP-L, and for a number of years I called it "The QRP Daily." Doug's analogy is a perfect one. [With the advent of the

additional QRP forum, QRP-F, I've changed the section heading to "Online QRP."]

Everyone keeps talking about the problems of huge amounts of live traffic and wearing out their <DELETE> key and some sing the praises of the daily digest. Both have their good and bad points, but there's a third alternative.

If you get the traffic live, you get a huge number of messages in your inbox to deal with every day. Even if you hit <DELETE> for a large number it still takes a finite amount of time and energy to deal with it all. If you get the daily digest all you see is a single message, albeit a huge one, which you download and can read offline with a word processor. That contains a table of contents at the top, and you can scan that list for posts that look interesting and jump down to read them and skip the rest. But this can be tedious, and since it comes out once a day you can't respond immediately to for-sale offers and often miss out on those.

The third alternative is the html archives. This is NOT available via e-mail, unlike the other two, and does require an Internet account and web browser. But it does have significant advantages. It consists of a list of messages like the daily digest but covers the last several days, not just one. You scan down the list until you find something that looks interesting, and then click on it. It hyperlinks you to the message, and after reading it you hit the "back" button to return to the same spot on the list. Very quick and convenient.

Unlike the daily digest it does not occupy space on your hard drive since you are not downloading anything. That can be either good or bad, since it doesn't leave you with a permanent copy of everything for future reference. But if you want a permanent copy you can still download all of the daily digests from lehigh.edu. Read the html archives for convenience and download the digests for storage. And unlike the daily digest, the html archives are updated several times a day. You still don't see all of the for-sale posts immediately, but at least you'll see them sooner than with the daily digest.

I thought the daily digest was the greatest thing since sliced bread at one time, but when I learned about the html archives I never went back! The convenience of the hyperlinking is astounding. BTW, I still get the daily digests anyhow. I don't read them, which is cumbersome and clunky compared to reading the html archives, but I save them to disk to keep that permanent record for reference.

You can select several sorting options for the html archives. My favorite is the sort by thread mode ("thread view"), which groups followup postings together (as long as the subject lines remain identical). You can also sort by author, date or subject, and you can change the sort order at any time by clicking on the appropriate button at the top of the list. For those of you

familiar with QRP-F, that forum is exactly the same as the qrp-l html archives viewed in the sort by thread mode (except that qrp-l has the latest message on the bottom and qrp-f has it at the top).

There is one facet of the html archives that could be a drawback in some cases. It does require that you be online for the entire session. Although a lot of Internet accounts in the US give unlimited connection time for one price, it does keep your phone line tied up for a while. In other countries, where Internet access and phone time are not as cheap, this could get expensive.

To go to the html archives, type this into your browser:

<http://listserv.lehigh.edu/lists/Archives/qrp-l/>

BTW, when we had to leave think.com years ago due to their going into Chapter 11 bankruptcy and not wanting to have the plug pulled on us suddenly and without warning, we ended up at netcom.com but that host did not support a daily digest function. And boy did we pay a price for that! We lost a significant number of people who bailed because there was no longer an option to dealing with all the mail on a real-time basis. (And this was in the era when a day with 40 posts was considered extraordinarily active!) And they were quite vocal about that being their reason for leaving. When we moved over to lehigh.edu, thanks to Jim Eshleman, N3VXI, we got the daily digest function back and it really helped our growth.

As always, one size doesn't fit all and fortunately we have three different options to dealing with qrp-l. Is the html archive method the best way? Probably not; it all depends on the individual and what works for you. It's the one I prefer but other people will prefer one of the other two ways. But at least it's something else to try if you're not completely satisfied with the live feeds or daily digests.

73 and queue our pea DE WA8MCQ

Date: Sun, 29 Oct 2000 13:13:36 -0800
From: jcs4us@earthlink.net
To: qrp-l@Lehigh.EDU
Subject: [82557] FS: TS-130V with brand new matching vfo!
Message-ID: <3.0.32.20001029131334.00741264@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For sale: TS-130V QRP HF transceiver with warc bands digital and analog

readout. Speech processor, if shift, CW filter, in nice condition also comes with it is a BRAND NEW still in the box matching Kenwood VFO! radio also comes with the power cord.

The VFO is brand new here folks.. You can run split with this and catch them foxes.. Price for both is \$450.00..

A 120V just sold last week for \$350.00 and it doesn't have the warc bands. Plus I have the CW filter and the matching VFO with this... 72, Alan

email: jcs4us@earthlink.net

Date: Sun, 29 Oct 2000 16:39:34 EST
From: N0tk@aol.com
To: tmyers@academicplanet.com, qrp-1@lehigh.edu
Subject: [82558] Re: Kingman
Message-ID: <6a.7edbc47.272df316@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

TKS for your post. I had ignored K5K because thought it was a garden variety stateside 5-land station(1st hop from Colorado on 20 meters into 5-land is common). I just worked them on 10m with 4 watts and a hidden-under-the-eaves-of -the-house dipole.

72

Dan N0TK
Highlands Ranch,CO

Date: Sun, 29 Oct 2000 16:47:46 -0500
From: Radioham <radioham@home.com>
To: N2CQ@citnet.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [82559] Re: eQSLs for QRP ARCI Test
Message-ID: <5.0.0.25.0.20001029164300.009ee060@netmail.home.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

As far as QRP ARCI is concerned, e-qsls are acceptable right now, and have been for some time, for the 1,000 mile per watt award, WAS, WAC and DXCC. I did pick up an e-QSL from FOX #1 and it's a great idea and superfast. For the purposes of QRP ARCI, just make a copy (or print out an extra) and send it with your application. And, for the QRP 25 award (where you work 25 or more QRP ARCI members), no cards or other confirmation are needed - just a contact list and their ARCI numbers.

Full details on our awards program are available at

<http://www.qrparci.org>. Go for it.

72/73,

Steve, N4EUK
QRP ARCI Awards Manager

Date: Sun, 29 Oct 2000 15:50:30 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <N0tk@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [82560] Re: Kingman
Message-ID: <00c601c041f2\$43a43560\$0100a8c0@dandooley>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Me too. I got them on 12 meters running (sorry....) 100 watts, but became ashamed of myself so when I heard them on 15 meters, I tried again and got them with 5 watts. There, he was simplex and the pileup was fairly moderate. Still got 'em after only about 2 calls. This old Butternut vertical rules!

Now, gotta find them on some of the other bands. I promise, no more QRO.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandooley@pipeline.com
SOC #198, FPQRP # -104
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: <N0tk@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, October 29, 2000 3:39 PM
Subject: Re: Kingman

> TKS for your post. I had ignored K5K because thought it was a garden
variety
> stateside 5-land station(1st hop from Colorado on 20 meters into 5-land is
> common). I just worked them on 10m with 4 watts and a
> hidden-under-the-eaves-of -the-house dipole.

> 72
> Dan N0TK
> Highlands Ranch,CO

Date: Sun, 29 Oct 2000 16:09:00 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [82561] OT Question about contesting
Message-ID: <Pine.OSF.4.20.0010291603090.23928-100000@duke.usask.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

This weekend I put up a 20M sloper and decided to try it out. When I fired up the rig I heard wall-to-wall stations calling CQ-contest. I sort of understand the basic rules about making points through contacts but I was wondering: Would I be helping anyone out by trying to respond to their call? Do they only get points by talking to contestors? I am not part of the contest, I was just wanting to try out my antenna. I would like to someone a good turn if I can (by responding) but if I would just be wasting their time I will wait until the contest is over. I looked at the material on the ARRL site but my question is probably so dumb they didn't think it needed explanation.

Please respond off list. I don't want to start a thread on what is not strictly a QRP topic.

Thanks.

Brian.

Brian Buydens
Veterinary Electronic Data Specialist
Computing Services, University of Saskatchewan
email: Brian.Buydens@usask.ca
<http://duke.usask.ca/~buydens>
VE5RDV

Did you hear about the two antennas that got married? The wedding was a disaster but the reception was great!

Date: Sun, 29 Oct 2000 17:23:40 -0500
From: George Murphy <VE3ERP@ENCODE.COM>
To: qrp-1@lehigh.edu
Subject: [82562] List Protocol
Message-ID: <4.3.2.7.0.20001029171957.00a98740@ENCODE.COM>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Help! I have been trying to post a message that includes an attachment. Is this allowed? When I check back in, my posting is not included....

Murph VE3ERP

Date: Sun, 29 Oct 2000 15:30:54 -0700
From: "Rod Cercone" <n0rc@hotmail.com>
To: "qrp-1" <qrp-1@Lehigh.EDU>, <elecraft@qth.net>
Cc: "Doc" <70511.3041@compuserve.com>
Subject: [82563] N0RC/7 Sherman, WY for 06-Nov-2000 ARS Spartan Sprint
Message-ID: <0E24Z2JQHeFXvjQN0hI0000205b@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Got Wyoming?

WX permitting on Nov 6th, I'll be set up at the AMES Monument, just off I-80 between Laramie & Cheyenne, WY.

This will be a 40m only effort at 5 watts for 3 reasons.

1) It's a test of the PW-1 on 40 meters just to see what it can do.
(Doc this one's for you. The antenna will be mounted atop my car, and driven by my K2.

2) Wyoming is hard to get QRP/QRP so this is for all who need WY. I will be on 7pm-9pm MST contest times, 0200-0400z (hope that's right). I'll try to be on a little earlier say 0100-0130 maybe.

3) I miss doing the ARS sprint since going on 2nd shift, (and fox hunts, and other contests...etc.). So I decide to that a vacation day, and have some mobile QRP fun.

If the WX turns bad I'll try and update this reflectors.

Why Sherman, WY. Actually the town does not exist any more.

From: <http://www.ohwy.com/wy/a/amesmonu.htm>:

"Ames Monument is 17 miles SE of Laramie on Interstate 80, then 2 miles on Ames Rd south. The monument is 60 feet, and honors two promoters of the transcontinental railroad, Oliver and Oakes Ames. This monument, built in 1881-1882, marks the site of Sherman, formerly a train inspection point before it turned into a ghost town after the Union Pacific tracks were relocated."

The Ames Monument was built at/near the highest point on the railroad.

More info can be found at:

<http://www.roadsideamerica.com/attract/WYLARames.html>

>From a QRP perspective is high about 7000-9000 ft, surround by the western high plains. NSEW the horizon is miles and miles away.

There is a webcam a few miles away:

<http://wydotweb.state.wy.us/Docs/Roads/WebCameras/TelephoneCanyon/TelephoneCanyon.html>

to watch the summit of I-80 in Telegraph Canyon. The summit is the highest point on I-80 ~9000 feet. Actually it is the highest point on the entire US interstate system.

Pray for decent WX.

73, Rod NØRC
Ft Collins CO

Date: Sun, 29 Oct 2000 17:50:48 -0500
From: "A Turner" <aturner13@triad.rr.com>
To: <mmfanche@gateway.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [82564] Re: pcb layout
Message-ID: <009201c041fa\$ae6d4500\$a4611e01@triad.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

As a matter of fact it is free. At least they have a version that is fully functional but is limited in the size of the project that you can do. You can order it from the website on CD.

Orcad has schematic,PCB and SPICE functionality.

Alex,N4BYJ

----- Original Message -----

From: Mark Fancher <mmfanche@gateway.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Saturday, October 28, 2000 5:20 PM

Subject: Re: pcb layout

> Checkout OrCAD Capture and Layout. Its probably not cheap, though.

>

> www.orcad.com

>

> Mark, W09G

> ----- Original Message -----

> From: "Nico Vertriest" <nvcw@village.uunet.be>

> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

> Sent: Saturday, October 28, 2000 5:46 PM

> Subject: pcb layout

>

>

> > Could someone recommend me a software package for making PCB

Date: Sun, 29 Oct 2000 14:54:26 -0800

From: Phil Wheeler <w7ox@earthlink.net>

To: VE3ERP@ENCODE.COM

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [82565] Re: List Protocol

Message-ID: <39FCAAA2.9290FC0E@earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

My guess is NO attachments; at least I've never seen one here.

Phil

George Murphy wrote:

>
> Help! I have been trying to post a message that includes an attachment. Is
> this allowed? When I check back in, my posting is not included....
>
> Murph VE3ERP

Date: Sun, 29 Oct 2000 18:02:23 -0500
From: George Murphy <VE3ERP@ENCODE.COM>
To: qrp-l@lehigh.edu
Subject: [82566] List Protocol
Message-ID: <4.3.2.7.0.20001029174815.00a93970@ENCODE.COM>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I have written a BASIC program that Foxes might be able to use to log their Fox Hunt activities, print out a log sheet, and save it as a text file that could be e-mailed to the Fox Hunt Grand Guru. Since I have never participated in a Fox Hunt, I am in need of someone to assess the program and see that it gets into the hands of whomsoever is in charge of such stuff.

Anyone interested? If there is more than one, I suggest you take a vote and the loser be forced to contact me directly off-list, and I will e-mail the program. It is short and simple.

-73- Murph VE3ERP

Date: Sun, 29 Oct 2000 23:16:21 +0000
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: wa8mcq@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [82567] Re: Another way of reading QRP-L: html archives
Message-ID: <39FCAFC5.49E07FA1@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Mike Czuhajewski wrote:

> cases. It does require that you be online for the entire session. Although a

Mike,

I've found that at least in my case this is not necessary. After I open the HTML file for the current month, I click just one message, any

message, for each day that I want to go through and then I log off. All the necessary files have been downloaded and cached. As long as I don't finish the Netscape session, I can click on any message I want to read and it will be displayed.

I've never tried to reply from the HTML pages, but I assume it's a bit awkward to do, because the browser not the pages seem to be set up to do a thing like that.

I used this method when I recently stayed in Holland for a month and the only Internet provider I have is in Finland which means an international phone call. I didn't want to be on-line for too long there.

73,

--

Arjen Raateland
OH2ZAZ

AX.25: OH2ZAZ@OH2RBI.FIN.EU

Date: Sun, 29 Oct 2000 23:17:27 +0000
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: wa8mcq@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [82568] Re: Another way of reading QRP-L: html archives
Message-ID: <39FCB007.251833A9@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Sorry, my remarks concerned the Elecraft archives which may be structured differently.

--

Arjen Raateland
SAS Support
Finnish Environment Institute, Helsinki

AX.25: OH2ZAZ@OH2RBI.FIN.EU

Date: Sun, 29 Oct 2000 18:21:45 EST
From: K5KW@aol.com
To: qrp-l@lehigh.edu
Subject: [82569] QRP - Parts Source in Houston?
Message-ID: <7c.cd84e5b.272e0b09@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Folks, I live out in the country here in Baja Kansas (you know, between KS and TX) far away from any source of parts for QRP projects. I will be driving the XYL to Houston this week where she will be attending (shudder) a quilt show. I'll have lots of free time on my hands on Thursday and Friday. I'm wondering if anyone lurking hereabouts knows if there are any electronics surplus type stores in Houston, or a source there for scrap circuit board stock for Manhattan style projects.

Any tips would be greatly appreciated.

Thanks, and 72

Don, K5KW

"Located at Meadowlark Aerodrome, on the rippling shores of Lake Eva, in the heart of the Morris-Boynton Metroplex of east-central Oklahoma, where every day is a sunny day".

Date: Sun, 29 Oct 2000 18:51:21 -0500
From: "William K. Harding" <k4ahk@ix.netcom.com>
To: "qrp-l mail" <qrp-l@lehigh.edu>
Subject: [82570] NoVaQRP Meeting Nov 11
Message-ID: <200010292351.SAA29209@blount.mail.mindspring.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

NOVA-QRP, the high powered, low power QRP group for Northern Virginia, will hold its regularly scheduled bi-monthly luncheon get-together at Mama's

Restaurant in Fairfax, Virginia on Saturday, November 11, 2000. Mama's Restaurant is just one block west of Fairfax Circle on Route 50. Plenty of (free) parking and great food (not free).

NOVA-QRP has no published start and end times for its luncheon meetings,

but Mama's opens its doors at 11:30 am, and at the last meeting there were folks waiting outside to get in when the doors were unlocked.

NOVA-QRP has no officers, dues, rules, regulations, business, minutes or

any of the other trappings of organized groups. Rather, we have tall tales,

show and tell for QRP rigs and equipment (bring yours to show and tell), and a lot of fraternizing with other high-powered low power folks.

NOVA-QRP also has a continuing supply of free Altoids tins and other free stuff for those who attend. For needy hams, this is indeed a kinda paradise.

NOVA-QRP's official list is maintained by K4AHK. To be added to that list for official notification of meetings send an email request to K4AHK@ix.netcom.com and he'll see that you are properly notified.

NOVA-QRP hopes to see you there. Be sure to bring a copy of your QSL card for the membership book. And, if you have a ham call sign badge, be sure to wear it.

Bill - K4AHK

End of QRP-L Digest 1990

